

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

ABOUT THE REJECTION SPECIFICATION

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification, claims and abstracts. All the errors disclosed in that office action has been corrected according to the Examiner's indications disclosed in the official action.

ABOUT CLAIM REJECTION OF 35USC103

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some main features of the present invention are not disclosed in the citation which can form the novelty and inventive step of the present invention.

To illustrate the novelty of the present invention and overcome the objection from the citations, the applicant decides to amend claims 1 to 4 as the following. The suggestions in the office action have been amended in this office action and some other features in Fig. 2 of the present invention are added to the amended claim 1. Thereby, it is assured that the new claims are based on the original claim and drawing and thus no new matter is added. The relation of the new claims with respect to the original claims are shown in the following.

Claim 1. (Currently Amended) A padlock comprising:

an upper ~~fundamental~~ base 2 formed with a recessed chamber 20 in ~~an the~~ interior and with a cut surface 21 defining said recessed chamber 20, said cut surface 21 provided with a movable-bolt insert hole 22 at a right end of the upper base 2, said upper ~~fundamental~~ base 2 further bored with a stationary-bolt insert hole 24 at a left end of the upper base 2;

a lower ~~fundamental~~ base 3 combined with said upper ~~fundamental~~ base 2 and formed with a cut surface 30 on ~~an the~~ inner side, said cut surface bored with an insert hole 31, said lower ~~fundamental~~ base provided with a lock core accommodating chamber 32 in the center and further bored with a through hole 33 communicating with said lock core accommodating chamber 32;

a lock core 4 received in said lock core accommodating chamber 32 of said lower ~~fundamental~~ base 3, said lock core 4 having one end provide with a rotary member 40 and the other end bored with a keyhole 41;

a stop block 5 received in said recessed chamber 20 of said upper ~~fundamental~~ base 2, said stop block 5 bored with an insert hole 50 in a the-center thereof and having ~~an its~~ right end formed with an engage ~~groove grove~~ 52, a spring 53 having ~~an its~~ lower end fitted on said right end of said stop block, said spring 53 having ~~an its~~ upper end fitted on said upper ~~fundamental~~ base; wherein the engage groove 52 is extended to the right side of the movable-bolt insert hole 22 so that the engage groove 52 at the right side of the stop block 5 can enclose and buckle the movable bolt 7 as the movable bolt 7 is inserted into the movable-bolt insert hole 22;

a stationary bolt 6 inserted in said stationary;-bolt insert hole 24 of said upper ~~fundamental~~ base 2, said stationary bolt 6

provided with an annular groove 60 and an axial insert hole 61;

a movable bolt 7 inserted in said movable-bolt insert hole 22 of said upper ~~fundamental~~ base 2 and said insert hole 31 of said lower ~~fundamental~~ base 3, said movable bolt provided with an annular groove 70 and an axial insert hole 71; wherein since said engage groove 52 is extended to the right side of the movable-bolt insert hole 22 so that the engage groove 52 at the right side of the stop block 5 can enclose and buckle the movable bolt 7 as the movable bolt 7 is inserted into the movable-bolt insert hole 22;

an upper shell 8 covered on the exterior of said upper ~~fundamental~~ base 2 and provided with a stationary-bolt threading hole 80 and a movable-bolt threading hole 81; and,

a lower shell 9 covered on the exterior of said lower ~~fundamental~~ base 3 and combined with said upper shell 8, said lower shell bored with a through hole in the center.

Claim 2. (Currently Amended) The padlock as claimed in Claim 1, wherein said upper ~~fundamental~~ base 2 is bored with a pin hole 25 in one side wall for a fixing pin to be inserted therethrough to fix said stationary bolt in position.

Claim 3. (Currently Amended) The padlock as claimed in Claim 1, wherein said upper ~~fundamental~~ base 2 is provided with plural positioning studs inside, and said lower ~~fundamental~~ base is bored with plural stud holes for said positioning studs of said upper ~~fundamental~~ base to respectively fit therein so as to combine said upper and said lower ~~fundamental~~ base together.

Claim 4. (Currently Amended) The padlock as claimed in Claim 1, wherein said cut surface of said upper ~~fundamental~~ base is provided with a horizontal projecting stud for hooking the upper end

of said spring, and said stop block is provided with a horizontal projecting stud at the right end for hooking the lower end of said spring.

(A) For the citation USP 3,422,644

In the present invention, the spring 53 is at a right side of the stop block 5. That is, the spring 53 and the movable blot 7 are at the same side of the stop block 5. See Fig. 5, the stop block 5 and the spring 53 encloses the movable bolt 7. When the lock core 4 rotates, the spring 53 can be extended so as to release the movable bolt 7. In the citation '644, the spring 24 and the movable blot 11' are at opposite sides of the stop block 25. The spring 24 dose not enclose the movable bolt 7. Thereby from this viewpoint, the present invention is different from the citation.

(B) For the citation USP 1,908,582

The citation '644 does not teach to use a pin (26 in the present invention) to fix the stationary shackle (6 in the present invention). The office action cites the USP1,908,582 to object this feature of the present invention.

However as we referring to the Fig. 4 of the citation '582, we do not find any pin to be used to fix the station shackle 11. Referring to Fig. 1 fo the citation '582, it is illustrated that the stationary shackle 11 is rotatable, and thus it seams that the shackle 11 can not be fixed by a pin.

Furthermore, in the citation '582, the spring 16 is at the opposite side of the stop block 5. This is not like that of the present invention.

(C) For the citation USP 3,254,516

The citation '516 has upper and lower shells 32, 38 and the insert holes 34, 36 which are similar to those of the present invention.

However other structure of the citation '516 is very different from the present invention. Especially, in the present invention, In the present invention, the spring 53 is at a right side of the stop block 5. That is, the spring 53 and the movable blot 7 are at the same side of the stop block 5. See Fig. 5, the stop block 5 and the spring 53 encloses the movable bolt 7.

In the citation '516, see Fig. 2 of the present invention, no spring and stop block encloses the movable bolt. The structure of the citation '516 is very different from that of the present invention.

(D) For the combinations of the citations

From above discussion, it is known that the combination of all the citations, including USP 3,422,644, USP 1,908,582, and USP 3,254,516 cannot have the feature of:

(1) the spring 53 is at a right side of the stop block 5. That is, the spring 53 and the movable blot 7 are at the same side of the stop block 5. See Fig. 5, the stop block 5 and the spring 53 encloses the movable bolt 7. When the lock core 4 rotates, the spring 53 can be extended so as to release the movable bolt 7.

(2) A pin 26 serves to fix the stationary shackle 6.

Although some other features can be seen in the other citations, from the office action, it is known that the present invention combines the features in various citation so as to form a powerful lock device, which cannot be achieved by any of the citations. This make the present invention being novel.

(E) RESULT

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in claim 1. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

If there is any error in the specification, or claims, applicant requests and authorizes Examiner to amend the claims, specification and drawings of the present invention so that they can match the requirement of U. S. Patent. Attentions of Examiner to this matter are greatly appreciated.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

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